



CAPABILITIES MANUAL

Who We Are?

Located in Northeast Ohio, e2b calibration is an ISO/IEC 17025 Accredited calibration and repair laboratory providing a full scope of NIST Traceable services for calibration, test, and measurable instruments. Services are provided in a climate-controlled, state-of-the-art laboratory with on-site services, and local pick-up and delivery available upon request.



At e2b calibration we have the ability to service products that fall under the following categories:

- Electromagnetic Low Frequency
- High Voltage
- Time and Frequency
- Pressure
- Vacuum
- Electromagnetic Radio Frequency/Microwave
- Flow
- Temperature and Humidity
- Mechanical
- Physical Dimension
- Physical Property

CONTACT US

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www.calibration.aero

Electromagnetic Low Frequency

- Amp Meter/Ammeter
- Clamp Meter
- Conductivity Meter
- Current Meter
- Current Shunt
- DLRO
- Ductor (200 Amp max.)
- Field Calibrator
- Flex Coil (3,000 Amp max.)
- Ground Tester
- High Current Test Set
- Insulation Tester
- Meg Ohm Meter
- Megger
- Milliohm Meter
- Multimeter-Handheld and Bench top
- Ohm Meter
- Panel Meter
- Power Supply
- Resistance Decade
- Transformer Turns Ratio
- Voltage Detector
- Voltage Meter

High Voltage

- Hipot-Items that source:
- DC and AC Hipot (200 kV/kilovolts max.)
- Meter-Items that measure:
- DC (140 kV/kilovolts max.)
- AC (25kV/kilovolts max.)
- Hipot
- Holiday Detector
- Hot Sticks
- Insulation Tester
- Jeep Meter

Vacuum

(Transducer, Manometer, Dial Gauge)

- Baratron Vacuum Gauge
- Dial Vacuum Gauge
- Heise Vacuum Gauge
- Manometer
- MKS Vacuum Gauge
- Parini Vacuum Gauge

Physical Property

- Gas Analyzer
- Hardness Tester
- PH Meter
- Profilometer
- Surface Roughness Gauge
- Viscometer
- Viscosity Cup

Physical Dimension

- Calipers (6 Foot max.)
- (OD) Outside Micrometers
- (ID) Inside Micrometer (48 Inch max.)
- Length Standard (48 Inch max.)
- Aeromech RVSM Gauge
- Coating Thickness Gauge
- Crimper
- Dial Indicator
- Digital Indicator
- Feeler Gauge

Physical Dimension (cont.)

- Tachometer-Photo
- Universal Counter

- Go/NoGo Gauge
- Laser Level
- Level
- Optical Comparator
- Protractor
- Skin Wavy Kit
- Square Head
- Square/Carpenter/Speed
- Steel Scale/Rule
- Straight Edge
- Tape Measure
- Thickness Shim
- Torque Arm
- Torque Wheel

Mechanical

- All torque including Inch Pound, Foot Pound, Inch Ounce and Newton
- Torque Wrench (1,000 Foot Pound max.)
- Torque Meter/Calibrator (1,000 Foot Pound max.)
- Force Tension (50,000 Pound max.)
- Force Compression (100,000 Pound max.)
- Aircraft Jack – Tripod up to 75,000 lbf and 80 Inch height, with leg radius up to 40"
- Aircraft Jack – Axle up to 50,000 lbf and 14 Inch minimum (closed) height
- Balance/Scale (5,000 Pound max.)
- Aircraft Jack
- Aircraft Scale
- Analytical Balance
- Bench Scale
- Crimper
- Dynamometer
- Floor Scale
- Force Gauge
- Load Cell
- Push-Pull Tester
- Shipping Scale
- Spring Tester
- Tensiometer
- Tension Meter
- Torque Calibrator
- Torque Tester
- Torque Wrench
- Wall Impact Tester

Electromagnetic Radio Frequency/Microwave

- Audio Analyzer
- COM120A
- Function Generator
- IFR 4000
- IFR 401
- IFR 402
- IFR 600
- IFR 6000
- IFR 601
- IFR 750B
- Microwave Generator
- Spectrum Analyzer
- Waveform Generator

Pressure

- Oil Media Gauge (12,500 PSI max.)
- Air Media Gauge (2,000 PSI max.)
- Water/Oxygen Gauge (10,000 PSI max.)
- Air Data Test Set
- Air Speed Indicator
- Altitude Indicator
- Capsuhelic Gauge
- Chart Recorder
- Compound Gauge
- Dial Gauge
- Digital Gauge
- Differential Gauge
- Magnehelic Gauge
- Manometer
- Pitot Static Tester
- Transducer
- Vertical Speed Indicator (VSI)

Flow

- Liquid Flow Meter (50 GPM max.)
- depending on restrictive property of meter)
- Gas/Air/Pneumatic Flow Meter (5 sccm to 250 CFM or 7,000 LPM)
- Alicat Flow Meter
- Brooks Flow Meter
- Flow Orifice
- Liquid Flow Meter
- Mass Flow Controller
- Mass Flow Meter
- Variable Area Flow Meter

Temperature and Humidity

- 10-98% Relative Humidity
- Using Chamber/Dry (-70 Celsius to 190 Celsius)
- Using Bath/Wet (-10 Celsius to 250 Celsius)
- Using Drywell/Dry (400 Celsius max.)
- -80 Celsius with Dry Ice (Advance Notice Required)
- -196 Celsius with Liquid Nitrogen (Advance Notice Required)
- Temperature Simulation (Thermocouple)
- Chart Recorder
- Data Logger
- Hygrometer
- IR/Infrared Gun
- IR/Infrared Thermometer
- Psychrometer
- RTD Probe
- Tegam Calibrator
- Thermocouple Calibrator
- Thermocouple Meter
- Thermocouple Probe
- Vaisala Transmitter
- Vaisala Sensor

Time and Frequency

- Clock
- Stopwatch
- Tachometer-Contact

This list does not include everything we calibrate, however, this is a good representation of our capabilities.

